OIPE IAP2
FEB 13 2006

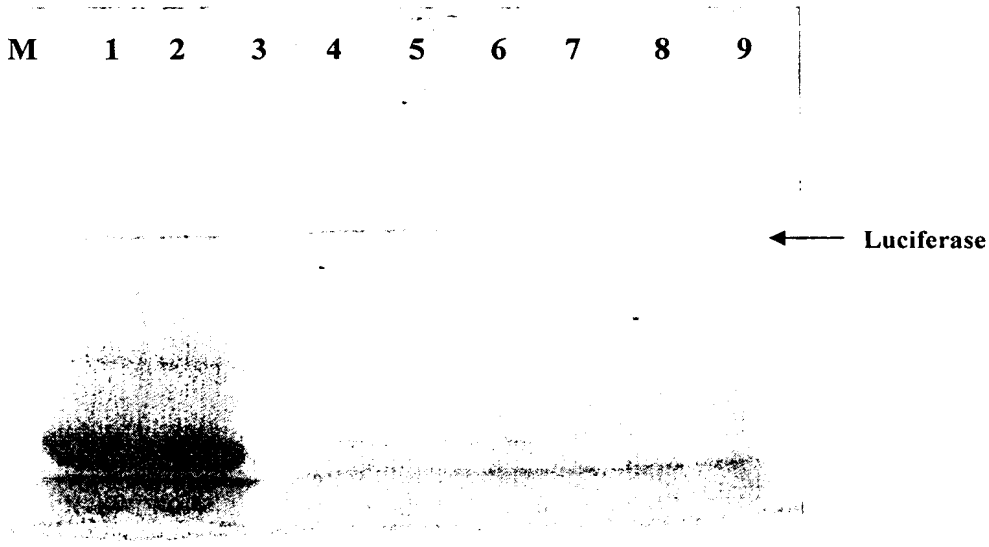


FIG. 2

BEST AVAILABLE COPY

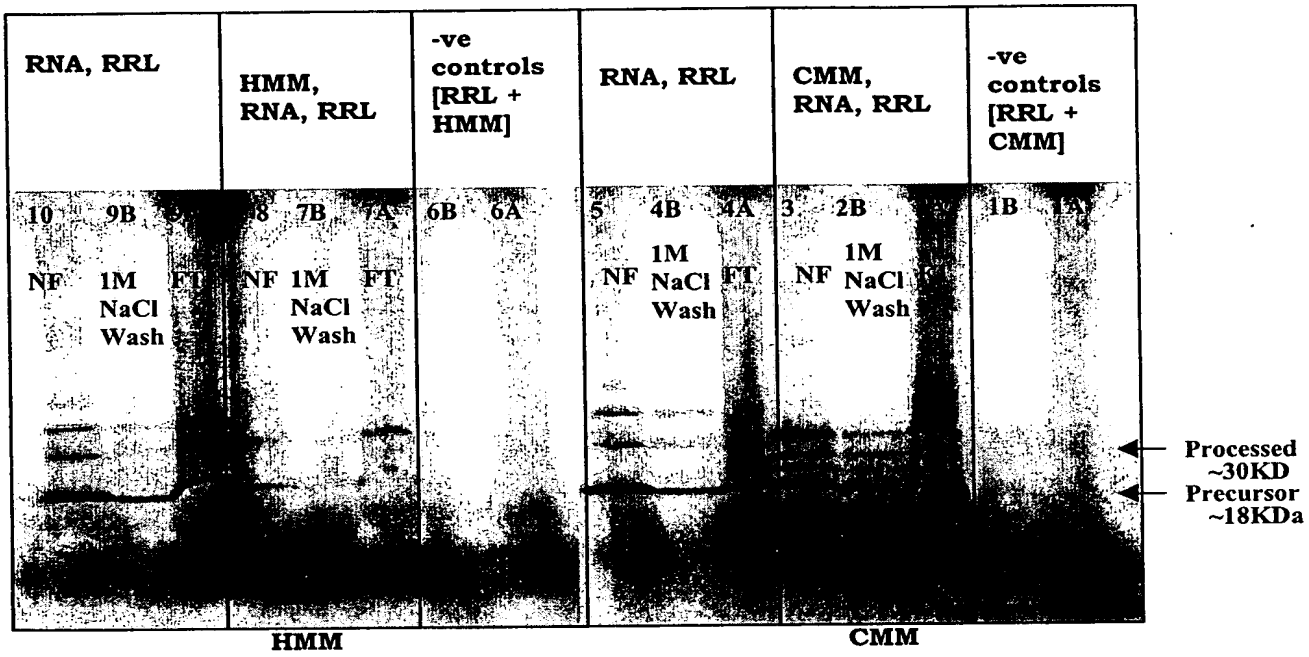

RNA, RRL
HMM, RNA, RRL
-ve controls [RRL + HMM]
RNA, RRL
CMM, RNA, RRL
-ve controls [RRL + CMM]
10
9B
8
7B
7A
6B
6A
5
4B
4A
3
2B
1B
1A
NF
1M NaCl Wash
FT
HMM
CMM
Processed ~30KD
Precursor ~18KDa

FIG. 3A

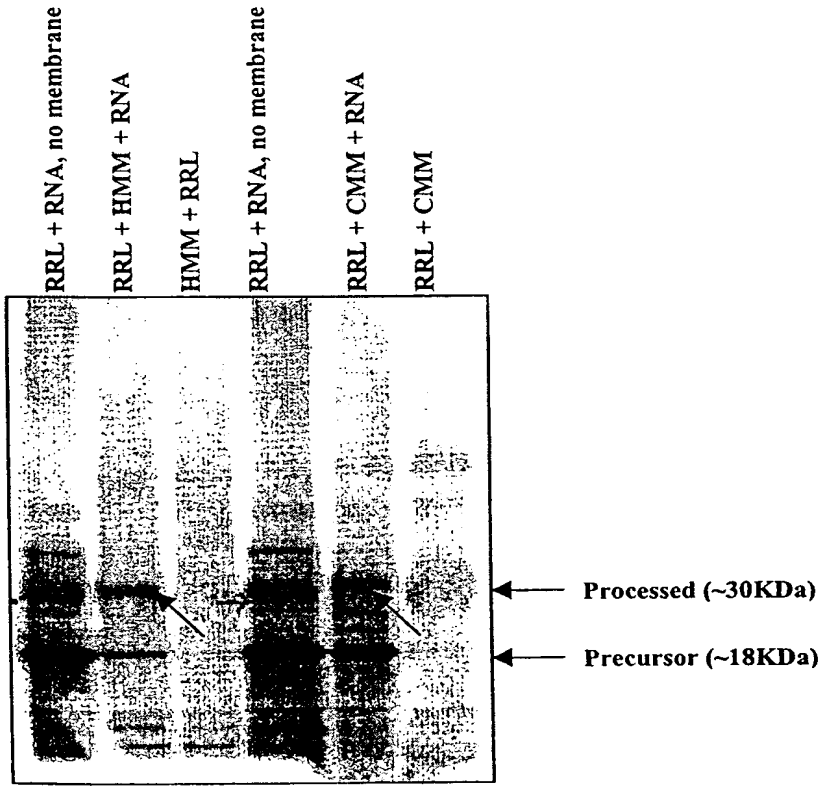

RRL + RNA, no membrane
RRL + HMM + RNA
HMM + RRL
RRL + RNA, no membrane
RRL + CMM + RNA
RRL + CMM
Processed (~30KDa)
Precursor (~18KDa)

FIG. 3B

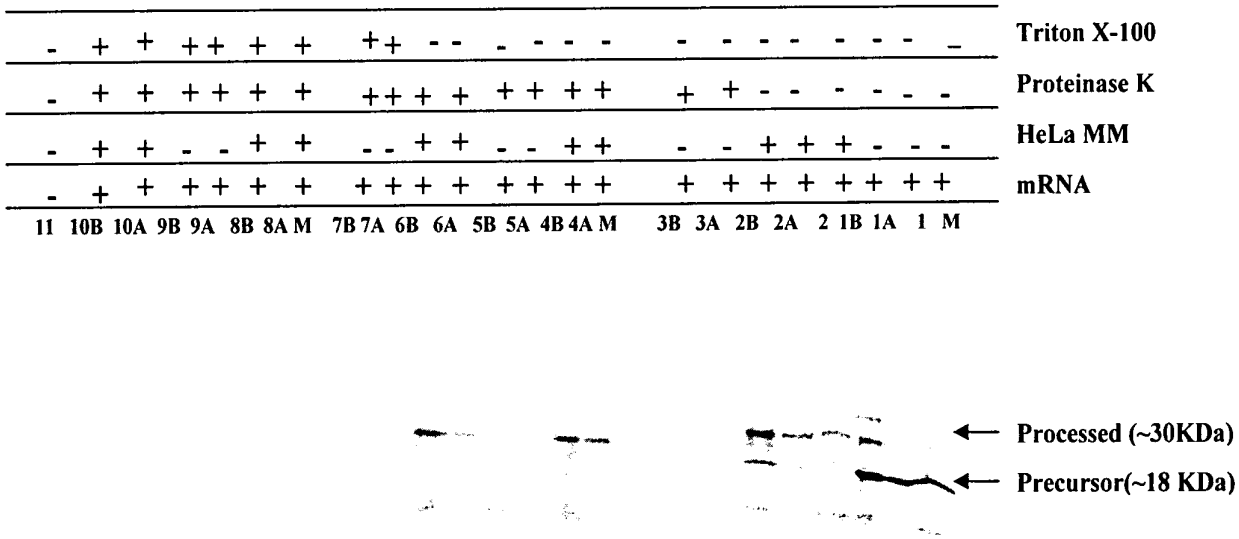


FIG. 4

Replacement Sheet

Purification of His-RNaseHI on Nickel NTA-Modified Silica Magnetic Particles

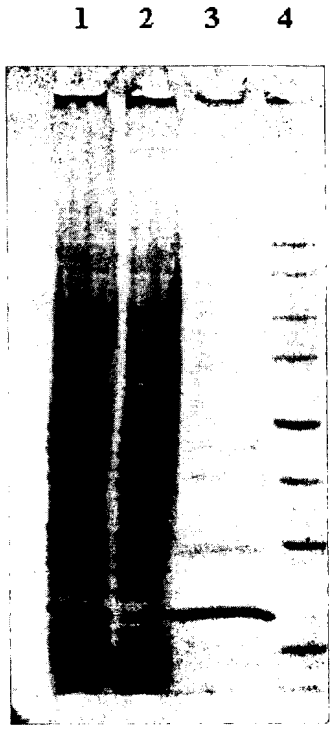
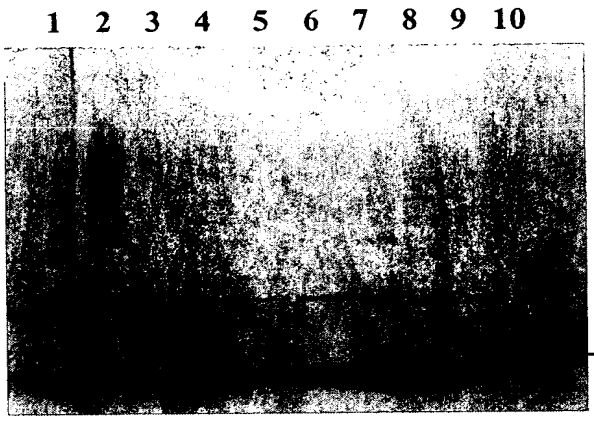


FIG. 6

Purification and Separation of Hemoglobin



Lanes 1: Control lysate (before teatment)
2: Molecular weight markers
3: Nickel 100mM imidazole elution
4: Copper 100mM imidazole elution
5: Cobalt 100mM imidazole elution
6: Zinc 100mM imidazole elution
7: Nickel 500mM imidazole elution
8: Copper 500mM imidazole elution
9: Cobalt 500mM imidazole elution
10: Zinc 500mM imidazole elution

FIG. 7

Purification of His-RNaseHI

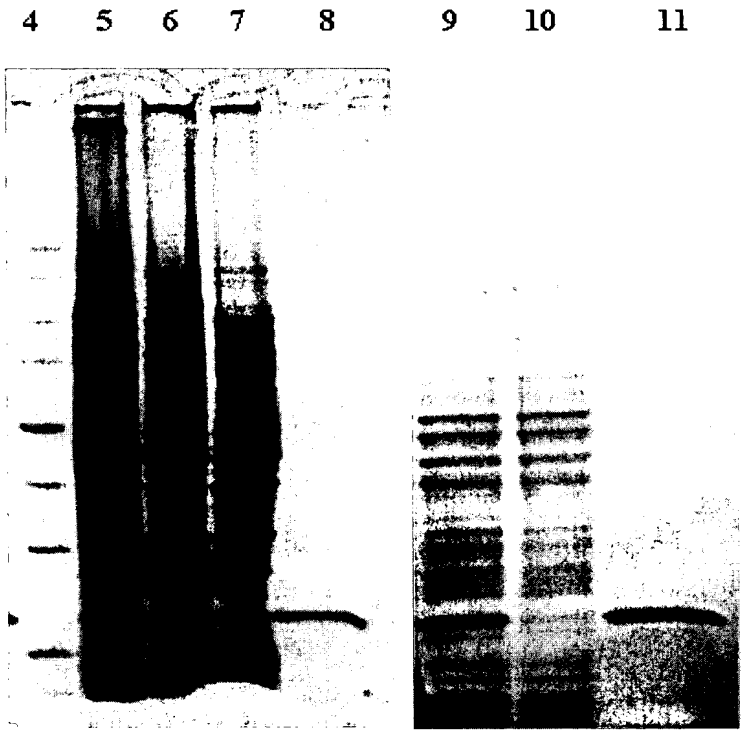


FIG. 8

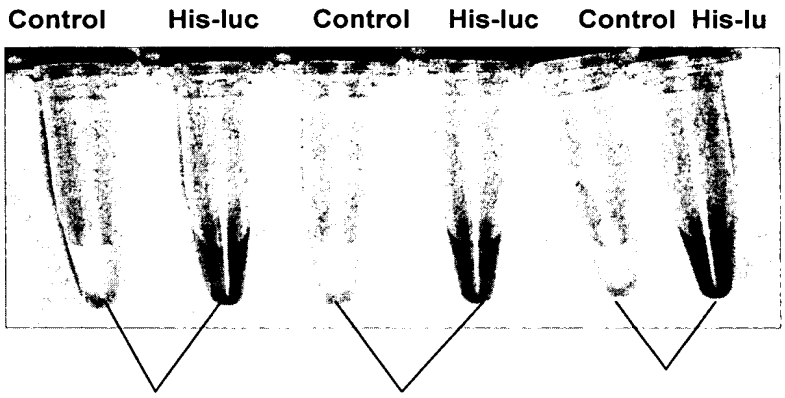
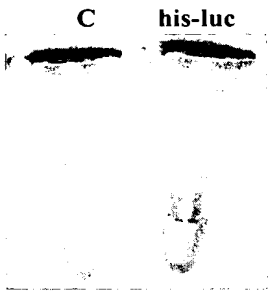


FIG. 9A

Elution: 100mM imidazole 200 mM imidazole 500 mM imidazole



500mM imidazole elution

FIG. 9C

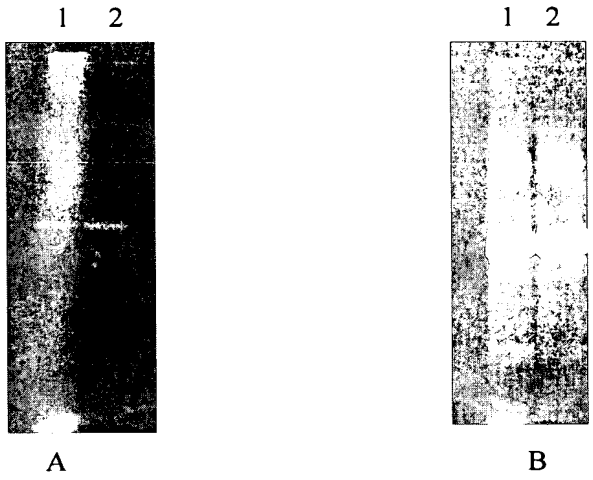


FIG. 10

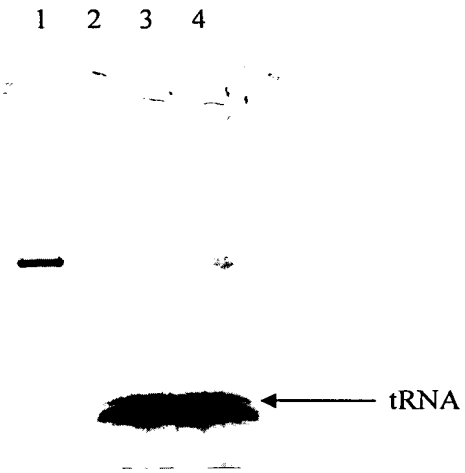


FIG. 11

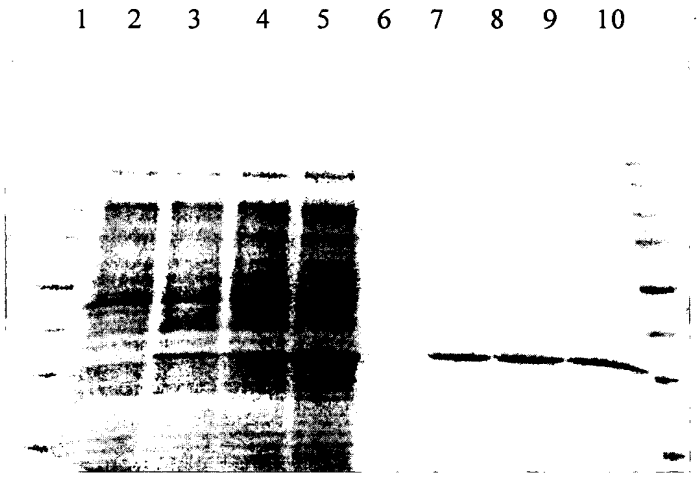


FIG. 12

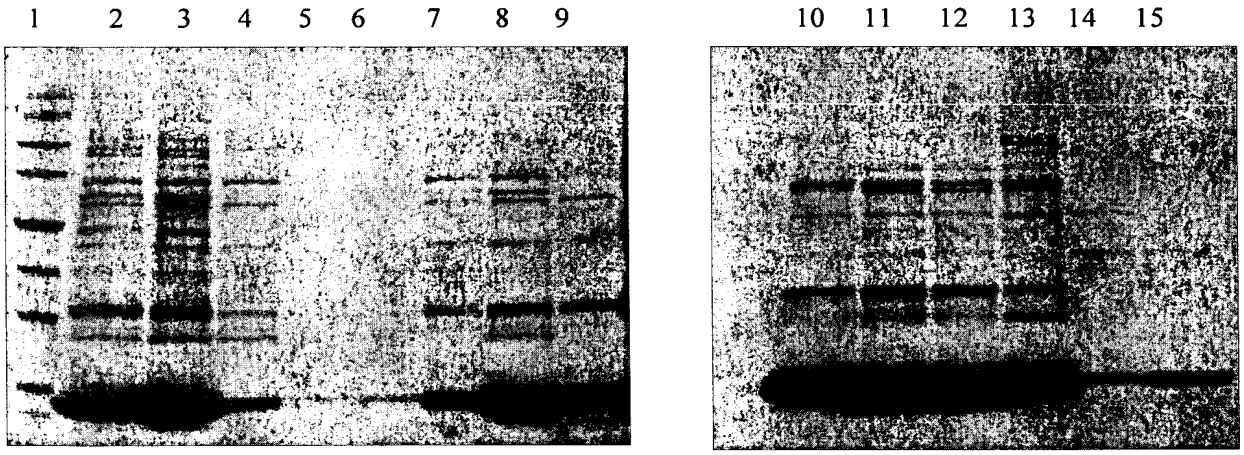
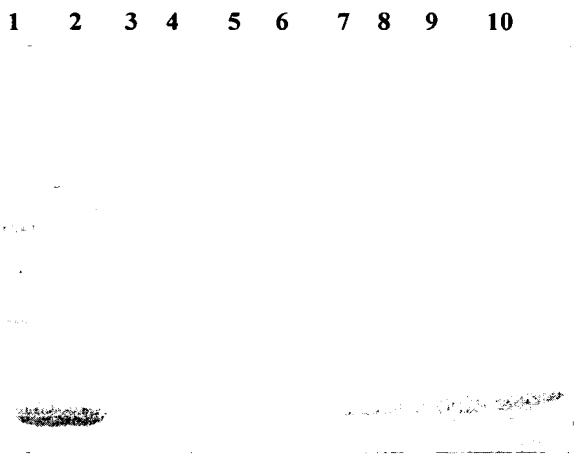


FIG. 15

FIG. 16A



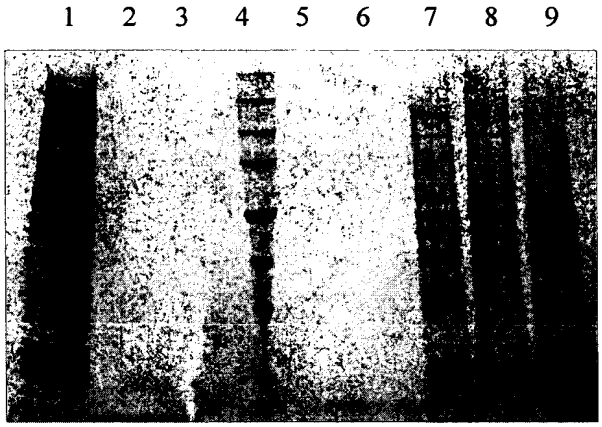


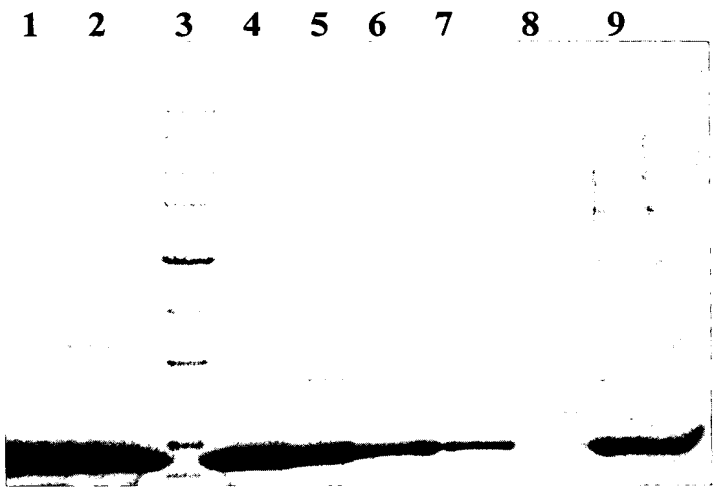
FIG. 17A

FIG. 18A

1 2 3 4 5 6 7 8 9

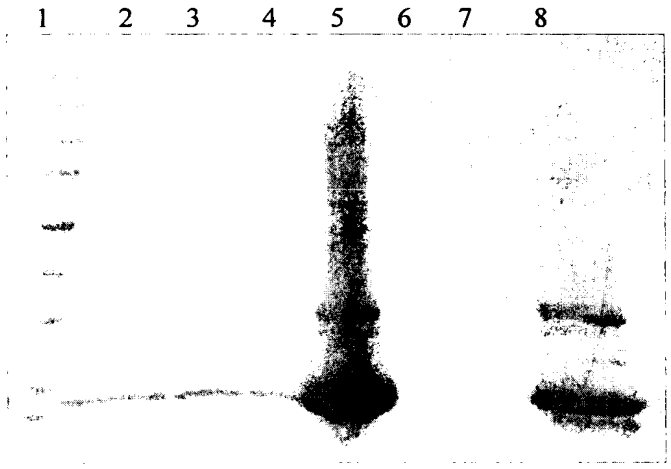
Fig. A. Binding and elution of complex mixture of proteins from copper-MagneSil particles

Lanes: 1. Wheat germ lysate control
2. 3 µl wheat germ lysate flow through
3. Marker
4. 5µl wheat germ lysate flow through
5. 10µl wheat germ lysate flow through
6. 20 µl wheat germ lysate low through
7. 1 µl wheat germ lysate elute
8. 5µl wheat germ lysate elute
9. 10µl wheat germ lysate elute



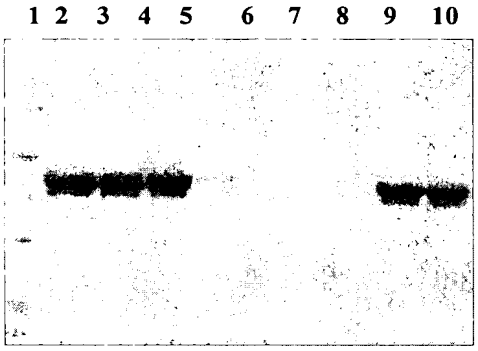
Lanes: 1. Eluted with 100 mM imidazole
2. Eluted with 200 mM imidazole
3. Marker
4. Eluted with 500 mM imidazole
5. Eluted with 1M imidazole
6. Eluted with pH 8.5 ammonium acetate
7. Eluted with pH 9.5 ammonium acetate
8. Eluted with pH 10.5 ammonium acetate
9. Eluted with pH 12.5 ammonium acetate

FIG. 19



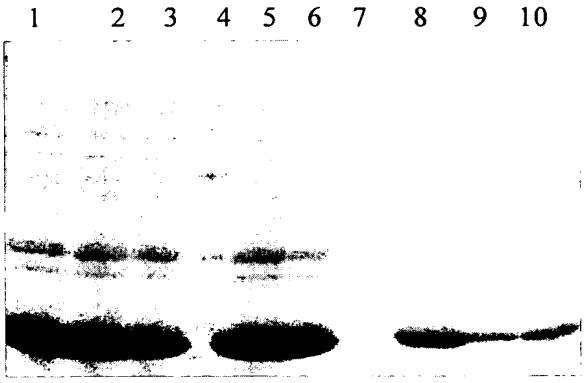
Lanes: 1. Molecular weight markers
2. Eluted with pH 8.5 ammonium acetate
3. Eluted with pH 9.5 ammonium acetate
4. Eluted with pH 10.5 ammonium acetate
5. Eluted with pH 12.5 ammonium acetate
6. Eluted with 0.05% TFA
7. Eluted with 0.1% TFA
8. Eluted with 1.0% TFA

FIG. 20



Lanes 1: Marker
2: Control ovalbumin
3: NTA-magnetic silica flow through
4: Nickel-magnetic silica flow through
5: Fe+++-magnetic silica flow through
6: Ga+++-magnetic silica flow through
7: NTA-magnetic silica elute
8: Nickel-magnetic silica elute
9: Fe+++-magnetic silica elute
10: Ga+++-magnetic silica elute

FIG. 21



1. Control retic lysate
2. NTA-magnetic silica FT
3. Ni^{2+}-magnetic silica FT
4. Marker
5. Ga^{3+}-magnetic silica FT
6. Fe^{2+}-magnetic silica FT
7. NTA-magnetic silica 2% NH_4OH eluant
8. Ni^{2+}-magnetic silica a 2% NH_4OH eluant
9. Ga^{3+}-magnetic silica a 2% NH_4OH eluant
10. Fe^{3+}-magnetic silica a 2% NH_4OH eluant

FIG. 22

FIG. 23A

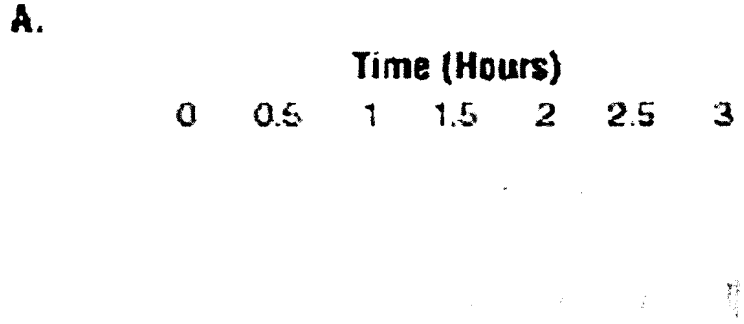


FIG. 23C

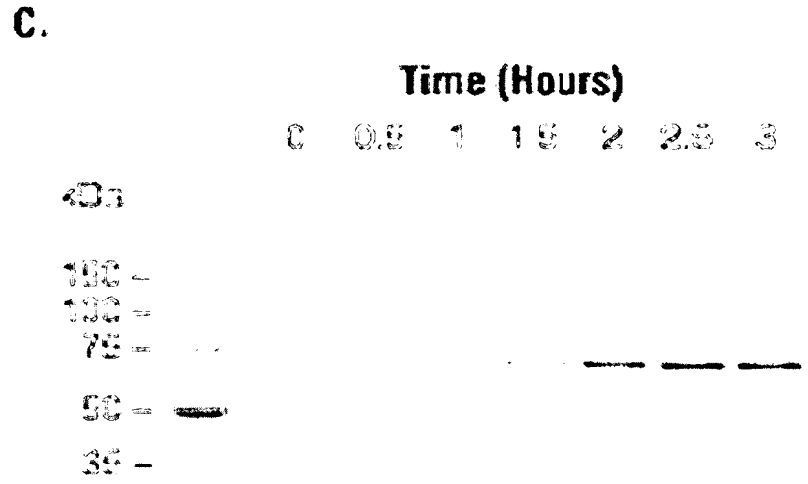
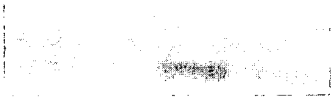


FIG. 24

1 2 3 4



This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.